

Chris Q Doe

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108
papers

9,302
citations

47
h-index

96
g-index

143
ext. papers

10,902
ext. citations

13.6
avg, IF

6.51
L-index

#	Paper	IF	Citations
108	Tools for neuroanatomy and neurogenetics in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9715-20	11.5	688
107	<i>Drosophila</i> neuroblasts sequentially express transcription factors which specify the temporal identity of their neuronal progeny. <i>Cell</i> , 2001 , 106, 511-21	56.2	502
106	Spindle orientation during asymmetric cell division. <i>Nature Cell Biology</i> , 2009 , 11, 365-74	23.4	387
105	The embryonic central nervous system lineages of <i>Drosophila melanogaster</i> . I. Neuroblast lineages derived from the ventral half of the neuroectoderm. <i>Developmental Biology</i> , 1996 , 179, 41-64	3.1	381
104	Neural stem cells: balancing self-renewal with differentiation. <i>Development (Cambridge)</i> , 2008 , 135, 1575-87	5.87	317
103	The tumour-suppressor genes <i>lgl</i> and <i>dlg</i> regulate basal protein targeting in <i>Drosophila</i> neuroblasts. <i>Nature</i> , 2000 , 408, 596-600	50.4	288
102	Miranda directs Prospero to a daughter cell during <i>Drosophila</i> asymmetric divisions. <i>Nature</i> , 1997 , 390, 625-9	50.4	271
101	<i>Lgl</i> , Pins and aPKC regulate neuroblast self-renewal versus differentiation. <i>Nature</i> , 2006 , 439, 594-8	50.4	262
100	The NuMA-related Mud protein binds Pins and regulates spindle orientation in <i>Drosophila</i> neuroblasts. <i>Nature Cell Biology</i> , 2006 , 8, 594-600	23.4	256
99	Identification of <i>Drosophila</i> type II neuroblast lineages containing transit amplifying ganglion mother cells. <i>Developmental Neurobiology</i> , 2008 , 68, 1185-95	3.2	255
98	Temporal fate specification and neural progenitor competence during development. <i>Nature Reviews Neuroscience</i> , 2013 , 14, 823-38	13.5	250
97	Control of neuronal fate by the <i>Drosophila</i> segmentation gene <i>even-skipped</i> . <i>Nature</i> , 1988 , 333, 376-8	50.4	242
96	Brat is a Miranda cargo protein that promotes neuronal differentiation and inhibits neuroblast self-renewal. <i>Developmental Cell</i> , 2006 , 10, 441-9	10.2	241
95	Early events in insect neurogenesis. I. Development and segmental differences in the pattern of neuronal precursor cells. <i>Developmental Biology</i> , 1985 , 111, 193-205	3.1	232
94	<i>Drosophila</i> aPKC regulates cell polarity and cell proliferation in neuroblasts and epithelia. <i>Journal of Cell Biology</i> , 2003 , 163, 1089-98	7.3	229
93	Staufen-dependent localization of prospero mRNA contributes to neuroblast daughter-cell fate. <i>Nature</i> , 1998 , 391, 792-5	50.4	228
92	Specification of temporal identity in the developing nervous system. <i>Annual Review of Cell and Developmental Biology</i> , 2004 , 20, 619-47	12.6	213

91	Drosophila Aurora-A kinase inhibits neuroblast self-renewal by regulating aPKC/Numb cortical polarity and spindle orientation. <i>Genes and Development</i> , 2006 , 20, 3464-74	12.6	196
90	New neuroblast markers and the origin of the aCC/pCC neurons in the Drosophila central nervous system. <i>Mechanisms of Development</i> , 1995 , 53, 393-402	1.7	173
89	Identification of an Aurora-A/PinsLINKER/Dlg spindle orientation pathway using induced cell polarity in S2 cells. <i>Cell</i> , 2009 , 138, 1150-63	56.2	170
88	Regulation of neuroblast competence in Drosophila. <i>Nature</i> , 2003 , 425, 624-8	50.4	166
87	TU-tagging: cell type-specific RNA isolation from intact complex tissues. <i>Nature Methods</i> , 2009 , 6, 439-41	11.6	141
86	Regulation of temporal identity transitions in Drosophila neuroblasts. <i>Developmental Cell</i> , 2005 , 8, 193-202	22	141
85	Characterization of Drosophila larval crawling at the level of organism, segment, and somatic body wall musculature. <i>Journal of Neuroscience</i> , 2012 , 32, 12460-71	6.6	134
84	Developmentally regulated subnuclear genome reorganization restricts neural progenitor competence in Drosophila. <i>Cell</i> , 2013 , 152, 97-108	56.2	121
83	Combinatorial temporal patterning in progenitors expands neural diversity. <i>Nature</i> , 2013 , 498, 449-55	50.4	120
82	Apical/basal spindle orientation is required for neuroblast homeostasis and neuronal differentiation in Drosophila. <i>Developmental Cell</i> , 2009 , 17, 134-41	10.2	120
81	Temporal Patterning in the Drosophila CNS. <i>Annual Review of Cell and Developmental Biology</i> , 2017 , 33, 219-240	12.6	114
80	A resource for manipulating gene expression and analyzing cis-regulatory modules in the Drosophila CNS. <i>Cell Reports</i> , 2012 , 2, 1002-13	10.6	93
79	Scribble protein domain mapping reveals a multistep localization mechanism and domains necessary for establishing cortical polarity. <i>Journal of Cell Science</i> , 2004 , 117, 6061-70	5.3	90
78	Zebrafish and fly Nkx6 proteins have similar CNS expression patterns and regulate motoneuron formation. <i>Development (Cambridge)</i> , 2004 , 131, 5221-32	6.6	88
77	Drosophila type II neuroblast lineages keep Prospero levels low to generate large clones that contribute to the adult brain central complex. <i>Neural Development</i> , 2010 , 5, 26	3.9	86
76	Mouse TU tagging: a chemical/genetic intersectional method for purifying cell type-specific nascent RNA. <i>Genes and Development</i> , 2013 , 27, 98-115	12.6	85
75	Lis1/dynactin regulates metaphase spindle orientation in Drosophila neuroblasts. <i>Developmental Biology</i> , 2008 , 319, 1-9	3.1	85
74	Pdm and Castor specify late-born motor neuron identity in the NB7-1 lineage. <i>Genes and Development</i> , 2006 , 20, 2618-27	12.6	85

73	Drosophila neuroblast 7-3 cell lineage: a model system for studying programmed cell death, Notch/Numb signaling, and sequential specification of ganglion mother cell identity. <i>Journal of Comparative Neurology</i> , 2005 , 481, 240-51	3.4	81
72	Specification of neuroblast identity in the Drosophila embryonic central nervous system by gooseberry-distal. <i>Nature</i> , 1995 , 376, 427-30	50.4	81
71	Even-Skipped(+) Interneurons Are Core Components of a Sensorimotor Circuit that Maintains Left-Right Symmetric Muscle Contraction Amplitude. <i>Neuron</i> , 2015 , 88, 314-29	13.9	77
70	Steroid hormone induction of temporal gene expression in brain neuroblasts generates neuronal and glial diversity. <i>ELife</i> , 2017 , 6,	8.9	76
69	Neural stem cells: From fly to vertebrates. <i>Journal of Neurobiology</i> , 1998 , 36, 111-127		69
68	Regulation of neuroblast competence: multiple temporal identity factors specify distinct neuronal fates within a single early competence window. <i>Genes and Development</i> , 2006 , 20, 429-34	12.6	68
67	Baz, Par-6 and aPKC are not required for axon or dendrite specification in Drosophila. <i>Nature Neuroscience</i> , 2004 , 7, 1293-5	25.5	62
66	Pdm and Castor close successive temporal identity windows in the NB3-1 lineage. <i>Development (Cambridge)</i> , 2008 , 135, 3491-9	6.6	60
65	Drosophila Activin- and the Activin-like product Dawdle function redundantly to regulate proliferation in the larval brain. <i>Development (Cambridge)</i> , 2008 , 135, 513-21	6.6	58
64	Drosophila HB9 is expressed in a subset of motoneurons and interneurons, where it regulates gene expression and axon pathfinding. <i>Journal of Neuroscience</i> , 2002 , 22, 9143-9	6.6	58
63	Drosophila Amphiphysin is implicated in protein localization and membrane morphogenesis but not in synaptic vesicle endocytosis. <i>Development (Cambridge)</i> , 2001 , 128, 5005-5015	6.6	58
62	Canoe binds RanGTP to promote Pins(TPR)/Mud-mediated spindle orientation. <i>Journal of Cell Biology</i> , 2011 , 195, 369-76	7.3	51
61	Transient nuclear Prospero induces neural progenitor quiescence. <i>ELife</i> , 2014 , 3,	8.9	45
60	Dap160/intersectin binds and activates aPKC to regulate cell polarity and cell cycle progression. <i>Development (Cambridge)</i> , 2008 , 135, 2739-46	6.6	44
59	The prospero gene encodes a divergent homeodomain protein that controls neuronal identity in Drosophila. <i>Development (Cambridge)</i> , 1991 , 113, 79-85	6.6	43
58	Neural circuits driving larval locomotion in Drosophila. <i>Neural Development</i> , 2018 , 13, 6	3.9	42
57	Twins/PP2A regulates aPKC to control neuroblast cell polarity and self-renewal. <i>Developmental Biology</i> , 2009 , 330, 399-405	3.1	42
56	Neurophysiological defects and neuronal gene deregulation in Drosophila mir-124 mutants. <i>PLoS Genetics</i> , 2012 , 8, e1002515	6	41

55	Asymmetric cortical extension shifts cleavage furrow position in <i>Drosophila</i> neuroblasts. <i>Molecular Biology of the Cell</i> , 2011 , 22, 4220-6	3.5	40
54	Zfh1, a somatic motor neuron transcription factor, regulates axon exit from the CNS. <i>Developmental Biology</i> , 2006 , 291, 253-63	3.1	40
53	embryonic type II neuroblasts: origin, temporal patterning, and contribution to the adult central complex. <i>Development (Cambridge)</i> , 2017 , 144, 4552-4562	6.6	39
52	MDN brain descending neurons coordinately activate backward and inhibit forward locomotion. <i>ELife</i> , 2018 , 7,	8.9	35
51	A multilayer circuit architecture for the generation of distinct locomotor behaviors in. <i>ELife</i> , 2019 , 8,	8.9	35
50	Applying thiouracil tagging to mouse transcriptome analysis. <i>Nature Protocols</i> , 2014 , 9, 410-20	18.8	34
49	The Snail family member Worniu is continuously required in neuroblasts to prevent Elav-induced premature differentiation. <i>Developmental Cell</i> , 2012 , 23, 849-57	10.2	34
48	Recombineering Hunchback identifies two conserved domains required to maintain neuroblast competence and specify early-born neuronal identity. <i>Development (Cambridge)</i> , 2010 , 137, 1421-30	6.6	34
47	Cell polarity: the PARty expands. <i>Nature Cell Biology</i> , 2001 , 3, E7-9	23.4	31
46	Functional genomics identifies neural stem cell sub-type expression profiles and genes regulating neuroblast homeostasis. <i>Developmental Biology</i> , 2012 , 361, 137-46	3.1	30
45	midlife crisis encodes a conserved zinc-finger protein required to maintain neuronal differentiation in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2013 , 140, 4155-64	6.6	26
44	Atlas-builder software and the eNeuro atlas: resources for developmental biology and neuroscience. <i>Development (Cambridge)</i> , 2014 , 141, 2524-32	6.6	24
43	Sgt1 acts via an LKB1/AMPK pathway to establish cortical polarity in larval neuroblasts. <i>Developmental Biology</i> , 2012 , 363, 258-65	3.1	23
42	Playing Well with Others: Extrinsic Cues Regulate Neural Progenitor Temporal Identity to Generate Neuronal Diversity. <i>Trends in Genetics</i> , 2017 , 33, 933-942	8.5	23
41	The pipsqueak-domain proteins Distal antenna and Distal antenna-related restrict Hunchback neuroblast expression and early-born neuronal identity. <i>Development (Cambridge)</i> , 2011 , 138, 1727-35	6.6	23
40	Specification of motoneuron fate in <i>Drosophila</i> : integration of positive and negative transcription factor inputs by a minimal eve enhancer. <i>Journal of Neurobiology</i> , 2003 , 57, 193-203		23
39	Neuroblast-specific open chromatin allows the temporal transcription factor, Hunchback, to bind neuroblast-specific loci. <i>ELife</i> , 2019 , 8,	8.9	23
38	Functional Genetic Screen to Identify Interneurons Governing Behaviorally Distinct Aspects of <i>Drosophila</i> Larval Motor Programs. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2023-31	3.2	23

37	Aging Neural Progenitors Lose Competence to Respond to Mitogenic Notch Signaling. <i>Current Biology</i> , 2015 , 25, 3058-68	6.3	21
36	A repressor-decay timer for robust temporal patterning in embryonic neuroblast lineages. <i>ELife</i> , 2018 , 7,	8.9	20
35	Temporal identity establishes columnar neuron morphology, connectivity, and function in a navigation circuit. <i>ELife</i> , 2019 , 8,	8.9	20
34	Identification of hunchback cis-regulatory DNA conferring temporal expression in neuroblasts and neurons. <i>Gene Expression Patterns</i> , 2012 , 12, 11-7	1.5	16
33	The role of astrocyte-mediated plasticity in neural circuit development and function. <i>Neural Development</i> , 2021 , 16, 1	3.9	16
32	The Hunchback temporal transcription factor determines motor neuron axon and dendrite targeting in. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	15
31	Comparative Connectomics Reveals How Partner Identity, Location, and Activity Specify Synaptic Connectivity in Drosophila. <i>Neuron</i> , 2021 , 109, 105-122.e7	13.9	15
30	Immunofluorescent antibody staining of intact Drosophila larvae. <i>Nature Protocols</i> , 2017 , 12, 1-14	18.8	14
29	Regulation of subcellular dendritic synapse specificity by axon guidance cues. <i>ELife</i> , 2019 , 8,	8.9	11
28	Astrocytes close a motor circuit critical period. <i>Nature</i> , 2021 , 592, 414-420	50.4	11
27	TU-Tagging: A Method for Identifying Layer-Enriched Neuronal Genes in Developing Mouse Visual Cortex. <i>ENeuro</i> , 2017 , 4,	3.9	10
26	The Hunchback temporal transcription factor establishes, but is not required to maintain, early-born neuronal identity. <i>Neural Development</i> , 2017 , 12, 1	3.9	9
25	Author response: Steroid hormone induction of temporal gene expression in Drosophila brain neuroblasts generates neuronal and glial diversity 2017 ,		7
24	The RanGEF Bj1 promotes prospero nuclear export and neuroblast self-renewal. <i>Developmental Neurobiology</i> , 2015 , 75, 485-93	3.2	6
23	Chinmo and neuroblast temporal identity. <i>Cell</i> , 2006 , 127, 254-6	56.2	6
22	A locomotor neural circuit persists and functions similarly in larvae and adult. <i>ELife</i> , 2021 , 10,	8.9	6
21	Drosophila nucleostemin 3 is required to maintain larval neuroblast proliferation. <i>Developmental Biology</i> , 2018 , 440, 1-12	3.1	5
20	Opportunities lost and gained: Changes in progenitor competence during nervous system development. <i>Neurogenesis (Austin, Tex.)</i> , 2017 , 4, e1324260		5

19	Astrocytes close a critical period of motor circuit plasticity		4
18	A <i>Drosophila</i> larval premotor/motor neuron connectome generating two behaviors via distinct spatio-temporal muscle activity		4
17	A novel temporal identity window generates alternating Eve/Nkx6 motor neuron subtypes in a single progenitor lineage. <i>Neural Development</i> , 2020 , 15, 9	3.9	4
16	A developmental framework linking neurogenesis and circuit formation in the CNS. <i>ELife</i> , 2021 , 10,	8.9	4
15	Establishment and Maintenance of Neural Circuit Architecture. <i>Journal of Neuroscience</i> , 2021 , 41, 1119-1129	11.89	4
14	A developmental framework linking neurogenesis and circuit formation in the <i>Drosophila</i> CNS		3
13	Author response: Transient nuclear Prospero induces neural progenitor quiescence 2014 ,		2
12	Author response: Neuroblast-specific open chromatin allows the temporal transcription factor, Hunchback, to bind neuroblast-specific loci 2019 ,		2
11	Author response: A repressor-decay timer for robust temporal patterning in embryonic <i>Drosophila</i> neuroblast lineages 2018 ,		2
10	Mechanosensory input during circuit formation shapes <i>Drosophila</i> motor behavior through patterned spontaneous network activity. <i>Current Biology</i> , 2021 , 31, 5341-5349.e4	6.3	2
9	Neural stem cells: From fly to vertebrates 1998 , 36, 111		2
8	Precise levels of nectin-3 are required for proper synapse formation in postnatal visual cortex. <i>Neural Development</i> , 2020 , 15, 13	3.9	1
7	Hunchback activates Bicoid in post-mitotic Pair1 neurons to regulate synapse number		1
6	The Hunchback temporal transcription factor determines motor neuron axon and dendrite targeting in <i>Drosophila</i>		1
5	Synaptic specificity is collectively determined by partner identity, location and activity		1
4	Functional Genetic Screen to Identify Interneurons Governing Behaviorally Distinct Aspects of <i>Drosophila</i> Larval Motor Programs		1
3	Temporal identity establishes columnar neuron morphology, connectivity, and function in a <i>Drosophila</i> navigation circuit		1
2	Neural stem cells: From fly to vertebrates 1998 , 36, 111		1

1 Asymmetric cortical extension leads to asymmetric cell division in *Drosophila* neuroblasts. *FASEB Journal*, **2012**, 26, 591.4

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