

Evan S Deneris

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67 papers	7,461 citations	40 h-index	71 g-index
71 ext. papers	8,145 ext. citations	10 avg, IF	5.45 L-index

#	Paper	IF	Citations
67	Distribution of alpha 2, alpha 3, alpha 4, and beta 2 neuronal nicotinic receptor subunit mRNAs in the central nervous system: a hybridization histochemical study in the rat. <i>Journal of Comparative Neurology</i> , 1989 , 284, 314-35	3.4	943
66	Cloning of a novel glutamate receptor subunit, GluR5: expression in the nervous system during development. <i>Neuron</i> , 1990 , 5, 583-95	13.9	569
65	Members of a nicotinic acetylcholine receptor gene family are expressed in different regions of the mammalian central nervous system. <i>Cell</i> , 1987 , 48, 965-73	56.2	372
64	Pet-1 ETS gene plays a critical role in 5-HT neuron development and is required for normal anxiety-like and aggressive behavior. <i>Neuron</i> , 2003 , 37, 233-47	13.9	371
63	A transient placental source of serotonin for the fetal forebrain. <i>Nature</i> , 2011 , 472, 347-50	50.4	369
62	Primary structure and expression of beta 2: a novel subunit of neuronal nicotinic acetylcholine receptors. <i>Neuron</i> , 1988 , 1, 45-54	13.9	292
61	The functional diversity of the neuronal nicotinic acetylcholine receptors is increased by a novel subunit: beta 4. <i>Neuron</i> , 1989 , 3, 487-96	13.9	276
60	MicroRNA 135 is essential for chronic stress resiliency, antidepressant efficacy, and intact serotonergic activity. <i>Neuron</i> , 2014 , 83, 344-360	13.9	270
59	Pharmacological and functional diversity of neuronal nicotinic acetylcholine receptors. <i>Trends in Pharmacological Sciences</i> , 1991 , 12, 34-40	13.2	267
58	Defects in breathing and thermoregulation in mice with near-complete absence of central serotonin neurons. <i>Journal of Neuroscience</i> , 2008 , 28, 2495-505	6.6	252
57	The ETS domain factor Pet-1 is an early and precise marker of central serotonin neurons and interacts with a conserved element in serotonergic genes. <i>Journal of Neuroscience</i> , 1999 , 19, 10348-56	6.6	244
56	Lmx1b is essential for the development of serotonergic neurons. <i>Nature Neuroscience</i> , 2003 , 6, 933-8	25.5	212
55	Redefining the serotonergic system by genetic lineage. <i>Nature Neuroscience</i> , 2008 , 11, 417-9	25.5	195
54	A genetic approach to access serotonin neurons for in vivo and in vitro studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16472-7	11.5	169
53	Lmx1b is required for maintenance of central serotonergic neurons and mice lacking central serotonergic system exhibit normal locomotor activity. <i>Journal of Neuroscience</i> , 2006 , 26, 12781-8	6.6	165
52	Pet-1 is required across different stages of life to regulate serotonergic function. <i>Nature Neuroscience</i> , 2010 , 13, 1190-8	25.5	132
51	Maintenance of postmitotic neuronal cell identity. <i>Nature Neuroscience</i> , 2014 , 17, 899-907	25.5	117

50	Mice lacking central serotonergic neurons show enhanced inflammatory pain and an impaired analgesic response to antidepressant drugs. <i>Journal of Neuroscience</i> , 2007 , 27, 6045-53	6.6	115
49	Convergence of the insulin and serotonin programs in the pancreatic β -cell. <i>Diabetes</i> , 2011 , 60, 3208-16	0.9	109
48	Medullary serotonin neurons and central CO ₂ chemoreception. <i>Respiratory Physiology and Neurobiology</i> , 2009 , 168, 49-58	2.8	106
47	Substitution of 5-HT _{1A} receptor signaling by a light-activated G protein-coupled receptor. <i>Journal of Biological Chemistry</i> , 2010 , 285, 30825-36	5.4	101
46	HDAC6 regulates glucocorticoid receptor signaling in serotonin pathways with critical impact on stress resilience. <i>Journal of Neuroscience</i> , 2012 , 32, 4400-16	6.6	99
45	Distinct transcriptomes define rostral and caudal serotonin neurons. <i>Journal of Neuroscience</i> , 2010 , 30, 670-84	6.6	92
44	Serotonergic transcriptional programming determines maternal behavior and offspring survival. <i>Nature Neuroscience</i> , 2008 , 11, 1001-3	25.5	86
43	Serotonergic transcriptional networks and potential importance to mental health. <i>Nature Neuroscience</i> , 2012 , 15, 519-27	25.5	84
42	Arrest of 5HT neuron differentiation delays respiratory maturation and impairs neonatal homeostatic responses to environmental challenges. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 159, 85-101	2.8	82
41	The unusual response of serotonergic neurons after CNS injury: lack of axonal dieback and enhanced sprouting within the inhibitory environment of the glial scar. <i>Journal of Neuroscience</i> , 2011 , 31, 5605-16	6.6	79
40	Vertebrate cone opsins enable sustained and highly sensitive rapid control of Gi/o signaling in anxiety circuitry. <i>Neuron</i> , 2014 , 81, 1263-1273	13.9	66
39	Transcriptional analysis of acetylcholine receptor $\alpha 3$ gene promoter motifs that bind Sp1 and AP2. <i>Journal of Biological Chemistry</i> , 1995 , 270, 8514-20	5.4	62
38	Making and breaking serotonin neurons and autism. <i>International Journal of Developmental Neuroscience</i> , 2005 , 23, 277-85	2.7	61
37	Postnatal growth defects in mice with constitutive depletion of central serotonin. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 171-81	5.7	60
36	Gq/5-HT _{2c} receptor signals activate a local GABAergic inhibitory feedback circuit to modulate serotonergic firing and anxiety in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6479-84	11.5	56
35	The presynaptic component of the serotonergic system is required for clozapine's efficacy. <i>Neuropsychopharmacology</i> , 2011 , 36, 638-51	8.7	55
34	A differentially autoregulated Pet-1 enhancer region is a critical target of the transcriptional cascade that governs serotonin neuron development. <i>Journal of Neuroscience</i> , 2005 , 25, 2628-36	6.6	52
33	In vitro biosynthesis of isoprene from mevalonate utilizing a rat liver cytosolic fraction. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 123, 691-6	3.4	52

32	Pet-1, a novel ETS domain factor that can activate neuronal nAChR gene transcription 1998 , 34, 151-163		45
31	A brain-wide functional map of the serotonergic responses to acute stress and fluoxetine. <i>Nature Communications</i> , 2019 , 10, 350	17.4	44
30	Serotonin neuron development: shaping molecular and structural identities. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2018 , 7, e301	5.9	44
29	Gi/o-coupled receptor signaling restricts pancreatic β cell expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2888-93	11.5	44
28	Differential regulation of levels of nicotinic receptor subunit transcripts in adult sympathetic neurons after axotomy. <i>Journal of Neurobiology</i> , 1998 , 34, 164-78		44
27	Serotonergic neurons migrate radially through the neuroepithelium by dynamin-mediated somal translocation. <i>Journal of Neuroscience</i> , 2010 , 30, 420-30	6.6	39
26	Adult Brain Serotonin Deficiency Causes Hyperactivity, Circadian Disruption, and Elimination of Siestas. <i>Journal of Neuroscience</i> , 2016 , 36, 9828-42	6.6	38
25	Shared long-range regulatory elements coordinate expression of a gene cluster encoding nicotinic receptor heteromeric subtypes. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5636-49	4.8	38
24	beta43d An enhancer displaying neural-restricted activity is located in the 3'd untranslated exon of the rat nicotinic acetylcholine receptor beta4 gene. <i>Journal of Neuroscience</i> , 1997 , 17, 2273-83	6.6	37
23	Paradoxical increase in survival of newborn neurons in the dentate gyrus of mice with constitutive depletion of serotonin. <i>European Journal of Neuroscience</i> , 2013 , 38, 2650-8	3.5	35
22	Developmental cell death is enhanced in the cerebral cortex of mice lacking the brain vesicular monoamine transporter. <i>Journal of Neuroscience</i> , 2007 , 27, 1315-24	6.6	35
21	Pet-1 Switches Transcriptional Targets Postnatally to Regulate Maturation of Serotonin Neuron Excitability. <i>Journal of Neuroscience</i> , 2016 , 36, 1758-74	6.6	34
20	Engrailed is required in maturing serotonin neurons to regulate the cytoarchitecture and survival of the dorsal raphe nucleus. <i>Journal of Neuroscience</i> , 2012 , 32, 7832-42	6.6	34
19	Bradycardia in serotonin-deficient Pet-1 ^{-/-} mice: influence of respiratory dysfunction and hyperthermia over the first 2 postnatal weeks. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R1333-42	3.2	32
18	Molecular genetics of mouse serotonin neurons across the lifespan. <i>Neuroscience</i> , 2011 , 197, 17-27	3.9	30
17	A subpopulation of serotonergic neurons that do not express the 5-HT1A autoreceptor. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 89-95	5.7	26
16	Serotonergic transcription of human FEV reveals direct GATA factor interactions and fate of Pet-1-deficient serotonin neuron precursors. <i>Journal of Neuroscience</i> , 2008 , 28, 12748-58	6.6	26
15	Nicotinic acetylcholine receptor subunit proteins alpha7 and beta4 decrease in the superior cervical ganglion after axotomy. <i>Journal of Neurobiology</i> , 2001 , 46, 178-92		26

14	Elements between the protein-coding regions of the adjacent α and β acetylcholine receptor genes direct neuron-specific expression in the central nervous system 1997 , 32, 311-324		24
13	Regulation of transcription in the neuronal nicotinic receptor subunit gene cluster by a neuron-selective enhancer and ETS domain factors. <i>Journal of Biological Chemistry</i> , 2000 , 275, 28962-70	5.4	20
12	Regulatory Mechanisms Controlling Maturation of Serotonin Neuron Identity and Function. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 215	6.1	17
11	Regional distribution and cellular localization of the ETS-domain transcription factor, FEV, mRNA in the human postmortem brain. <i>Synapse</i> , 2005 , 57, 223-8	2.4	17
10	Lmx1b is required at multiple stages to build expansive serotonergic axon architectures. <i>ELife</i> , 2019 , 8,	8.9	17
9	Pet-1 Controls Tetrahydrobiopterin Pathway and Slc22a3 Transporter Genes in Serotonin Neurons. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 1198-205	5.7	15
8	The ETS oncogene family transcription factor FEV identifies serotonin-producing cells in normal and neoplastic small intestine. <i>Endocrine-Related Cancer</i> , 2010 , 17, 283-91	5.7	13
7	Pet-1 deficiency alters the circadian clock and its temporal organization of behavior. <i>PLoS ONE</i> , 2014 , 9, e97412	3.7	12
6	Structure and function of neuronal nicotinic acetylcholine receptors deduced from cDNA clones. <i>Progress in Brain Research</i> , 1989 , 79, 27-33	2.9	12
5	Preservation of Essential Odor-Guided Behaviors and Odor-Based Reversal Learning after Targeting Adult Brain Serotonin Synthesis. <i>ENeuro</i> , 2016 , 3,	3.9	11
4	Retinal neuron activity of ETS domain-binding sites in a nicotinic acetylcholine receptor gene cluster enhancer. <i>Journal of Biological Chemistry</i> , 2002 , 277, 6511-9	5.4	10
3	Transcriptional control of serotonin-modulated behavior and physiology. <i>Neuropsychopharmacology</i> , 2011 , 36, 361-2	8.7	7
2	Author response: Lmx1b is required at multiple stages to build expansive serotonergic axon architectures 2019 ,		2
1	An adult-stage transcriptional program for survival of serotonergic connectivity.. <i>Cell Reports</i> , 2022 , 39, 110711	10.6	1