

# Evolution of the Chordate Telencephalon

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Morphological evolution of the vertebrate forebrain: From mechanical to cellular processes. <i>Evolution &amp; Development</i> , 2019, 21, 330-341.	2.0	7
2	Neural architecture of the vertebrate brain: implications for the interaction between emotion and cognition. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 296-312.	6.1	55
3	Embryonic cerebrospinal fluid formation and regulation. <i>Seminars in Cell and Developmental Biology</i> , 2020, 102, 3-12.	5.0	11
4	Functional analysis of Sonic Hedgehog variants associated with holoprosencephaly in humans using a CRISPR/Cas9 zebrafish model. <i>Human Mutation</i> , 2020, 41, 2155-2166.	2.5	4
5	The evolutionary origin of visual and somatosensory representation in the vertebrate pallium. <i>Nature Ecology and Evolution</i> , 2020, 4, 639-651.	7.8	48
6	The genetic program to specify ectodermal cells in ascidian embryos. <i>Development Growth and Differentiation</i> , 2020, 62, 301-310.	1.5	12
7	The evolution of brain structure captured in stereotyped cell count and cell type distributions. <i>Current Opinion in Neurobiology</i> , 2020, 60, 176-183.	4.2	14
8	Distribution of the cholinergic nuclei in the brain of the weakly electric fish, <i>Apteronotus leptorhynchus</i> : Implications for sensory processing. <i>Journal of Comparative Neurology</i> , 2021, 529, 1810-1829.	1.6	3
9	Cellular transcriptomics reveals evolutionary identities of songbird vocal circuits. <i>Science</i> , 2021, 371, .	12.6	101
10	Organization of radial glia reveals growth pattern in the telencephalon of a percomorph fish <i>Astatotilapia burtoni</i> . <i>Journal of Comparative Neurology</i> , 2021, 529, 2813-2823.	1.6	4
11	Neuroethology of number sense across the animal kingdom. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	16
12	Retrotransposons as Drivers of Mammalian Brain Evolution. <i>Life</i> , 2021, 11, 376.	2.4	24
14	The dorsoanterior brain of adult amphioxus shares similarities in expression profile and neuronal composition with the vertebrate telencephalon. <i>BMC Biology</i> , 2021, 19, 110.	3.8	16
15	Genome-enabled discovery of evolutionary divergence in brains and behavior. <i>Scientific Reports</i> , 2021, 11, 13016.	3.3	5
16	The Lamprey Forebrain – Evolutionary Implications. <i>Brain, Behavior and Evolution</i> , 2022, 96, 318-333.	1.7	17
17	The Evolutionary History of Brains for Numbers. <i>Trends in Cognitive Sciences</i> , 2021, 25, 608-621.	7.8	28
18	Genetically identified neurons in avian auditory pallium mirror core principles of their mammalian counterparts. <i>Current Biology</i> , 2021, 31, 2831-2843.e6.	3.9	19
19	Stressor controllability modulates the stress response in fish. <i>BMC Neuroscience</i> , 2021, 22, 48.	1.9	7

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20	Consciousness without cortex. <i>Current Opinion in Neurobiology</i> , 2021, 71, 69-76.	4.2	12
22	Artificial mosaic brain evolution of relative telencephalon size improves inhibitory control abilities in the guppy ( <i>Poecilia reticulata</i> ). <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 128-138.	2.3	12
23	Current Status of the Hypothesis of a Claustro-Insular Homolog in Sauropsids. <i>Brain, Behavior and Evolution</i> , 2022, 96, 212-241.	1.7	9
24	Expression of Doublecortin, Glial Fibrillar Acidic Protein, and Vimentin in the Intact Subpallium and after Traumatic Injury to the Pallium in Juvenile Salmon, <i>Oncorhynchus masou</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1334.	4.1	0
29	Restricted Proliferation During Neurogenesis Contributes to Regionalisation of the Amphioxus Nervous System. <i>Frontiers in Neuroscience</i> , 2022, 16, 812223.	2.8	1
31	The neural bases of vertebrate motor behaviour through the lens of evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200521.	4.0	14
32	Vascular Regulation of Developmental Neurogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 890852.	3.7	19
33	Natural behavior is the language of the brain. <i>Current Biology</i> , 2022, 32, R482-R493.	3.9	53
34	A Structural Atlas of the Developing Zebrafish Telencephalon Based on Spatially-Restricted Transgene Expression. <i>Frontiers in Neuroanatomy</i> , 2022, 16, .	1.7	4
36	Number neurons in the nidopallium of young domestic chicks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
37	Lamprey Thalamus and Beyond. , 2022, , 125-138.		0
38	Development of Telencephalon. , 2022, , 133-148.		0
39	Neurosensory development of the four brainstem-projecting sensory systems and their integration in the telencephalon. <i>Frontiers in Neural Circuits</i> , 0, 16, .	2.8	4
41	Development of the ventricles, choroid plexus and CSF outflow system. , 2023, , 17-38.		0
42	Exogenous and endogenous spatial attention in crows. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	7
43	Development of the brain ventricular system from a comparative perspective. <i>Clinical Anatomy</i> , 2023, 36, 320-334.	2.7	3
44	Exceptional fossil preservation and evolution of the ray-finned fish brain. <i>Nature</i> , 2023, 614, 486-491.	27.8	7
45	The unique neuropathological vulnerability of the human brain to aging. <i>Ageing Research Reviews</i> , 2023, 87, 101916.	10.9	4

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46	Humans, fish, spiders and bees inherited working memory and attention from their last common ancestor. <i>Frontiers in Psychology</i> , 0, 13, .	2.1	1
48	Categorical representation of abstract spatial magnitudes in the executive telencephalon of crows. <i>Current Biology</i> , 2023, 33, 2151-2162.e5.	3.9	6
49	Epigenetically distinct synaptic architecture in clonal compartments in the teleostean dorsal pallium. <i>ELife</i> , 0, 12, .	6.0	1
50	The evolutionary origins of the Global Neuronal Workspace in vertebrates. <i>Neuroscience of Consciousness</i> , 2023, 2023, .	2.6	2
51	Evolution of Human Brain Left–Right Asymmetry: Old Genes with New Functions. <i>Molecular Biology and Evolution</i> , 2023, 40, .	8.9	4
52	A lamprey neural cell type atlas illuminates the origins of the vertebrate brain. <i>Nature Ecology and Evolution</i> , 2023, 7, 1714-1728.	7.8	3
53	Association neurons in the crow telencephalon link visual signs to numerical values. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	2
56	Habitat complexity influences neuron number in six species of Puerto Rican <i>Anolis</i> . <i>Biology Letters</i> , 2024, 20, .	2.3	0
57	Telencephalic eversion in embryos and early larvae of four teleost species. <i>Evolution &amp; Development</i> , 2024, 26, .	2.0	0
58	Comparison of genes involved in brain development: insights into the organization and evolution of the telencephalic pallium. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
59	Inner Ear and Otolith Morphology of Climbing Perch <i>Anabas testudineus</i> (Anabantidae). <i>Journal of Ichthyology</i> , 2024, 64, 16-29.	0.5	0