

# Resolving New Memories: A Critical Look at the Dentate Pattern Separation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pattern separation in the hippocampus. Trends in Neurosciences, 2011, 34, 515-525.	4.2	1,122
2	Adult Neurogenesis in the Mammalian Brain: Significant Answers and Significant Questions. Neuron, 2011, 70, 687-702.	3.8	2,193
3	Scopolamine impairs behavioural function and arginine metabolism in the rat dentate gyrus. Neuropharmacology, 2011, 61, 1452-1462.	2.0	28
4	Effects of environmental enrichment and voluntary exercise on neurogenesis, learning and memory, and pattern separation: BDNF as a critical variable?. Seminars in Cell and Developmental Biology, 2011, 22, 536-542.	2.3	207
5	Adult hippocampal neurogenesis and its role in Alzheimer's disease. Molecular Neurodegeneration, 2011, 6, 85.	4.4	820
6	CBP is required for environmental enrichment-induced neurogenesis and cognitive enhancement. EMBO Journal, 2011, 30, 4287-4298.	3.5	89
7	Age-associated deficits in pattern separation functions of the perirhinal cortex: A cross-species consensus.. Behavioral Neuroscience, 2011, 125, 836-847.	0.6	105
8	Î±2Î² Ligands Act as Positive Modulators of Adult Hippocampal Neurogenesis and Prevent Depression-Like Behavior Induced by Chronic Restraint Stress. Molecular Pharmacology, 2012, 82, 271-280.	1.0	49
9	Cell-Autonomous Inactivation of the Reelin Pathway Impairs Adult Neurogenesis in the Hippocampus. Journal of Neuroscience, 2012, 32, 12051-12065.	1.7	78
10	Btg1 is Required to Maintain the Pool of Stem and Progenitor Cells of the Dentate Gyrus and Subventricular Zone. Frontiers in Neuroscience, 2012, 6, 124.	1.4	67
11	Neurogenesis and generalization: a new approach to stratify and treat anxiety disorders. Nature Neuroscience, 2012, 15, 1613-1620.	7.1	482
12	Adult Neurogenesis Is Associated with the Maintenance of a Stereotyped, Learned Motor Behavior. Journal of Neuroscience, 2012, 32, 7052-7057.	1.7	24
13	Optical controlling reveals time-dependent roles for adult-born dentate granule cells. Nature Neuroscience, 2012, 15, 1700-1706.	7.1	371
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15	Epigenetics and epilepsy. Epilepsia, 2012, 53, 2-10.	2.6	83
16	Disconnection and reconnection: the morphological basis of (mal)adaptation to stress. Trends in Neurosciences, 2012, 35, 742-751.	4.2	134
17	Suppression of adult neurogenesis impairs population coding of similar contexts in hippocampal CA3 region. Nature Communications, 2012, 3, 1253.	5.8	155
18	An exploratory study of combination bupirone and melatonin SR in Major Depressive Disorder (MDD): A possible role for neurogenesis in drug discovery. Journal of Psychiatric Research, 2012, 46, 1553-1563.	1.5	52

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19	Development of GABAergic inputs controls the contribution of maturing neurons to the adult hippocampal network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4290-4295.	3.3	53
20	Distinct Neuronal Coding Schemes in Memory Revealed by Selective Erasure of Fast Synchronous Synaptic Transmission. <i>Neuron</i> , 2012, 73, 990-1001.	3.8	165
21	The addicted brain craves new neurons: putative role for adult-born progenitors in promoting recovery. <i>Trends in Neurosciences</i> , 2012, 35, 250-260.	4.2	124
22	Infantile amnesia: A neurogenic hypothesis. <i>Learning and Memory</i> , 2012, 19, 423-433.	0.5	110
23	Time-dependent involvement of adult-born dentate granule cells in behavior. <i>Behavioural Brain Research</i> , 2012, 227, 470-479.	1.2	56
24	Early-life stress mediated modulation of adult neurogenesis and behavior. <i>Behavioural Brain Research</i> , 2012, 227, 400-409.	1.2	167
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27	Spatiotemporal processing deficits in female CCG KI mice modeling the fragile X premutation. <i>Behavioural Brain Research</i> , 2012, 233, 29-34.	1.2	16
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32	Homeostatic neurogenesis in the adult hippocampus does not involve amplification of Ascl1high intermediate progenitors. <i>Nature Communications</i> , 2012, 3, 670.	5.8	88
33	Unique Processing During a Period of High Excitation/Inhibition Balance in Adult-Born Neurons. <i>Science</i> , 2012, 335, 1238-1242.	6.0	335
34	Arf4 Determines Dentate Gyrus-Mediated Pattern Separation by Regulating Dendritic Spine Development. <i>PLoS ONE</i> , 2012, 7, e46340.	1.1	32
35	Less efficient pattern separation may contribute to age-related spatial memory deficits. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 9.	1.7	53
36	Multi-voxel pattern analysis in human hippocampal subfields. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 290.	1.0	74

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40	Absence of the calcium-binding protein calretinin, not of calbindin D-28k, causes a permanent impairment of murine adult hippocampal neurogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2012, 5, 56.	1.4	36
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42	Running throughout middle age improves memory function, hippocampal neurogenesis, and BDNF levels in female C57BL/6J mice. <i>Developmental Neurobiology</i> , 2012, 72, 943-952.	1.5	261
43	Modification of hippocampal circuitry by adult neurogenesis. <i>Developmental Neurobiology</i> , 2012, 72, 1032-1043.	1.5	113
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55	Seamless Reconstruction of Intact Adult-Born Neurons by Serial End-Block Imaging Reveals Complex Axonal Guidance and Development in the Adult Hippocampus. <i>Journal of Neuroscience</i> , 2013, 33, 11400-11411.	1.7	62
56	Role of adult neurogenesis in hippocampus-dependent memory, contextual fear extinction and remote contextual memory: New insights from ERK5 MAP kinase. <i>Neurobiology of Learning and Memory</i> , 2013, 105, 81-92.	1.0	59
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58	Upregulation of mGlu2 Receptors via NF- $\kappa$ B p65 Acetylation Is Involved in the Proneurogenic and Antidepressant Effects of Acetyl-L-Carnitine. <i>Neuropsychopharmacology</i> , 2013, 38, 2220-2230.	2.8	66
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65	Pattern separation and pattern completion in Alzheimer's disease: Evidence of rapid forgetting in amnesic mild cognitive impairment. <i>Hippocampus</i> , 2013, 23, 1246-1258.	0.9	109
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87	Magnesium supplement enhances spatial-context pattern separation and prevents fear overgeneralization. <i>Behavioural Pharmacology</i> , 2013, 24, 255-263.	0.8	12
88	Foundations of Augmented Cognition. <i>Lecture Notes in Computer Science</i> , 2013, , .	1.0	6
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111	NF- $\kappa$ B Mediated Regulation of Adult Hippocampal Neurogenesis: Relevance to Mood Disorders and Antidepressant Activity. <i>BioMed Research International</i> . 2014. 2014. 1-11.	0.9	55
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129	Extremely low-frequency electromagnetic fields enhance the survival of newborn neurons in the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2014, 39, 893-903.	1.2	57
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132	Cell based therapies for ischemic stroke: From basic science to bedside. <i>Progress in Neurobiology</i> , 2014, 115, 92-115.	2.8	171
133	Hippocampal injury-induced cognitive and mood dysfunction, altered neurogenesis, and epilepsy: Can early neural stem cell grafting intervention provide protection?. <i>Epilepsy and Behavior</i> , 2014, 38, 117-124.	0.9	80
134	Environment and Brain Plasticity: Towards an Endogenous Pharmacotherapy. <i>Physiological Reviews</i> , 2014, 94, 189-234.	13.1	340
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156	Effects of Microglia on Neurogenesis. <i>Glia</i> , 2015, 63, 1394-1405.	2.5	144
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160	Differences in temporal order memory among young, middle-aged, and older adults may depend on the level of interference. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 28.	1.7	15
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