

# Heather A Cameron

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

12,388  
citations

50276

46  
h-index

71685

76  
g-index

80  
all docs

80  
docs citations

80  
times ranked

10785  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Adult neurogenesis alters response to an aversive distractor in a labyrinth maze without affecting spatial learning or memory. <i>Hippocampus</i> , 2021, 31, 102-114.                                | 1.9  | 5         |
| 2  | Adult-born granule cell mossy fibers preferentially target parvalbumin-positive interneurons surrounded by perineuronal nets. <i>Hippocampus</i> , 2021, 31, 375-388.                                 | 1.9  | 8         |
| 3  | Cover Image, Volume 31, Issue 4. <i>Hippocampus</i> , 2021, 31, C1.   | 1.9  | 0         |
| 4  | Prenatal maternal infection promotes tissue-specific immunity and inflammation in offspring. <i>Science</i> , 2021, 373, .  | 12.6 | 108       |
| 5  | The Effects of Anesthesia on Adult Hippocampal Neurogenesis. <i>Frontiers in Neuroscience</i> , 2020, 14, 588356.   | 2.8  | 11        |
| 6  | Activity-dependent isomerization of Kv4.2 by Pin1 regulates cognitive flexibility. <i>Nature Communications</i> , 2020, 11, 1567.   | 12.8 | 28        |
| 7  | A Tribute to Bruce S. McEwen. <i>Trends in Neurosciences</i> , 2020, 43, 127-130.   | 8.6  | 3         |
| 8  | Adult-Born Neurons in the Hippocampus Are Essential for Social Memory Maintenance. <i>ENeuro</i> , 2020, 7, ENEURO.0182-20.2020.  | 1.9  | 31        |
| 9  | A role for hippocampal adult neurogenesis in shifting attention toward novel stimuli. <i>Behavioural Brain Research</i> , 2019, 376, 112152.  | 2.2  | 15        |
| 10 | Neurolastin, a dynamin family GTPase, translocates to mitochondria upon neuronal stress and alters mitochondrial morphology in vivo. <i>Journal of Biological Chemistry</i> , 2019, 294, 11498-11512. | 3.4  | 1         |
| 11 | New neurons restore structural and behavioral abnormalities in a rat model of PTSD. <i>Hippocampus</i> , 2019, 29, 848-861.   | 1.9  | 26        |
| 12 | Adult neurogenesis affects motivation to obtain weak, but not strong, reward in operant tasks. <i>Hippocampus</i> , 2018, 28, 512-522.  | 1.9  | 13        |
| 13 | Human Adult Neurogenesis: Evidence and Remaining Questions. <i>Cell Stem Cell</i> , 2018, 23, 25-30.  | 11.1 | 601       |
| 14 | Behavioral and structural adaptations to stress. <i>Frontiers in Neuroendocrinology</i> , 2018, 49, 106-113.  | 5.2  | 69        |
| 15 | DPP6 Loss Impacts Hippocampal Synaptic Development and Induces Behavioral Impairments in Recognition, Learning and Memory. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 84.                  | 3.7  | 28        |
| 16 | Axonal ribosomes and mRNAs associate with fragile X granules in adult rodent and human brains. <i>Human Molecular Genetics</i> , 2017, 26, ddx381.  | 2.9  | 48        |
| 17 | Stress and Loss of Adult Neurogenesis Differentially Reduce Hippocampal Volume. <i>Biological Psychiatry</i> , 2017, 82, 914-923.   | 1.3  | 190       |
| 18 | Magnetic resonance imaging of odorant activity-dependent migration of neural precursor cells and olfactory bulb growth. <i>NeuroImage</i> , 2017, 158, 232-241.                                       | 4.2  | 16        |

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|----|--|------|-----------|
| 19 | Ongoing neurogenesis in the adult dentate gyrus mediates behavioral responses to ambiguous threat cues. <i>PLoS Biology</i> , 2017, 15, e2001154.  | 5.6  | 43        |
| 20 | A Transgenic Rat for Specifically Inhibiting Adult Neurogenesis. <i>ENeuro</i> , 2016, 3, ENEURO.0064-16.2016.   | 1.9  | 47        |
| 21 | New Hippocampal Neurons Mature Rapidly in Response to Ketamine But Are Not Required for Its Acute Antidepressant Effects on Neophagia in Rats. <i>ENeuro</i> , 2016, 3, ENEURO.0116-15.2016.                                   | 1.9  | 54        |
| 22 | Anxiolytic Actions of Exercise in Absence of New Neurons. <i>Hippocampus</i> , 2016, 26, 1373-1378.  | 1.9  | 20        |
| 23 | Lasting Adaptations in Social Behavior Produced by Social Disruption and Inhibition of Adult Neurogenesis. <i>Journal of Neuroscience</i> , 2016, 36, 7027-7038.   | 3.6  | 48        |
| 24 | Pentraxins Coordinate Excitatory Synapse Maturation and Circuit Integration of Parvalbumin Interneurons. <i>Neuron</i> , 2015, 85, 1257-1272.  | 8.1  | 154       |
| 25 | Analysis of radiation therapy in a model of triple-negative breast cancer brain metastasis. <i>Clinical and Experimental Metastasis</i> , 2015, 32, 717-727.   | 3.3  | 21        |
| 26 | New neurons in the adult striatum: from rodents to humans. <i>Trends in Neurosciences</i> , 2015, 38, 517-523.   | 8.6  | 54        |
| 27 | Adult Neurogenesis and Mental Illness. <i>Neuropsychopharmacology</i> , 2015, 40, 113-128.   | 5.4  | 147       |
| 28 | Adult Neurogenesis: Beyond Learning and Memory. <i>Annual Review of Psychology</i> , 2015, 66, 53-81.  | 17.7 | 226       |
| 29 | Environmental Control of Adult Neurogenesis: From Hippocampal Homeostasis to Behavior and Disease. <i>Neural Plasticity</i> , 2014, 2014, 1-3.   | 2.2  | 12        |
| 30 | Anxiety- and Depression-Like Behavior and Impaired Neurogenesis Evoked by Peripheral Neuropathy Persist following Resolution of Prolonged Tactile Hypersensitivity. <i>Journal of Neuroscience</i> , 2014, 34, 12304-12312.    | 3.6  | 85        |
| 31 | Adult Neurogenesis Is Necessary to Refine and Maintain Circuit Specificity. <i>Journal of Neuroscience</i> , 2014, 34, 13801-13810.  | 3.6  | 26        |
| 32 | Complementary activation of hippocampal cortical subregions and immature neurons following chronic training in single and multiple context versions of the water maze. <i>Behavioural Brain Research</i> , 2012, 227, 330-339. | 2.2  | 34        |
| 33 | Different regulation of adult hippocampal neurogenesis in Western house mice ( <i>Mus musculus</i> ) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10   | 2.2  | 21        |
| 34 | Could adult hippocampal neurogenesis be relevant for human behavior?. <i>Behavioural Brain Research</i> , 2012, 227, 384-390.  | 2.2  | 100       |
| 35 | Late Maturation of Adult-Born Neurons in the Temporal Dentate Gyrus. <i>PLoS ONE</i> , 2012, 7, e48757.  | 2.5  | 81        |
| 36 | Adult hippocampal neurogenesis buffers stress responses and depressive behaviour. <i>Nature</i> , 2011, 476, 458-461.  | 27.8 | 1,225     |

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|----|--|-----|-----------|
| 37 | Septo-temporal gradients of neurogenesis and activity in 13-month-old rats. <i>Neurobiology of Aging</i> , 2011, 32, 1149-1156.  | 3.1 | 35        |
| 38 | Anatomical gradients of adult neurogenesis and activity: Young neurons in the ventral dentate gyrus are activated by water maze training. <i>Hippocampus</i> , 2009, 19, 360-370.                                      | 1.9 | 188       |
| 39 | The effects of exercise and stress on the survival and maturation of adult-generated granule cells. <i>Hippocampus</i> , 2009, 19, 898-906.  | 1.9 | 164       |
| 40 | Adult-Born Hippocampal Neurons Are More Numerous, Faster Maturing, and More Involved in Behavior in Rats than in Mice. <i>Journal of Neuroscience</i> , 2009, 29, 14484-14495.   | 3.6 | 371       |
| 41 | Effects of adolescent fluoxetine treatment on fear-, anxiety- or stress-related behaviors in C57BL/6J or BALB/c mice. <i>Psychopharmacology</i> , 2008, 200, 413-424.  | 3.1 | 74        |
| 42 | New Interneurons in the Adult Neocortex: Small, Sparse, but Significant?. <i>Biological Psychiatry</i> , 2008, 63, 650-655.  | 1.3 | 82        |
| 43 | Variation in Mouse Basolateral Amygdala Volume is Associated With Differences in Stress Reactivity and Fear Learning. <i>Neuropsychopharmacology</i> , 2008, 33, 2595-2604.  | 5.4 | 123       |
| 44 | Adult Neurogenesis, Mental Health, and Mental Illness: Hope or Hype?: Figure 1.. <i>Journal of Neuroscience</i> , 2008, 28, 11785-11791.   | 3.6 | 225       |
| 45 | Chronic swim stress alters sensitivity to acute behavioral effects of ethanol in mice. <i>Physiology and Behavior</i> , 2007, 91, 77-86.   | 2.1 | 51        |
| 46 | Short-term and long-term effects of postnatal exposure to an adult male in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2007, 182, 344-348.  | 2.2 | 14        |
| 47 | Decreased neurogenesis in aged rats results from loss of granule cell precursors without lengthening of the cell cycle. <i>Journal of Comparative Neurology</i> , 2007, 501, 659-667.                                  | 1.6 | 123       |
| 48 | The neuropeptide Y Y1 receptor subtype is necessary for the anxiolytic-like effects of neuropeptide Y, but not the antidepressant-like effects of fluoxetine, in mice. <i>Psychopharmacology</i> , 2007, 195, 547-557. | 3.1 | 96        |
| 49 | Do new neurons have a functional role in the adult hippocampus?. <i>Debates in Neuroscience</i> , 2007, 1, 26-32.  | 1.7 | 9         |
| 50 | Quantitative Analysis of In Vivo Cell Proliferation. <i>Current Protocols in Neuroscience</i> , 2006, 37, 3.9.1-3.9.15.  | 2.6 | 7         |
| 51 | Neurogenesis in the adult hippocampus. <i>Hippocampus</i> , 2006, 16, 199-207.   | 1.9 | 187       |
| 52 | GABAergic signaling in young granule cells in the adult rat and mouse dentate gyrus. <i>Hippocampus</i> , 2006, 16, 312-320.   | 1.9 | 58        |
| 53 | A natural form of learning can increase and decrease the survival of new neurons in the dentate gyrus. <i>Hippocampus</i> , 2005, 15, 750-762.   | 1.9 | 78        |
| 54 | New GABAergic interneurons in the adult neocortex and striatum are generated from different precursors. <i>Journal of Cell Biology</i> , 2005, 168, 415-427.   | 5.2 | 402       |

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|----|--|------|-----------|
| 55 | Stress in early life inhibits neurogenesis in adulthood. <i>Trends in Neurosciences</i> , 2005, 28, 171-172.   | 8.6  | 97        |
| 56 | Short-term and long-term survival of new neurons in the rat dentate gyrus. <i>Journal of Comparative Neurology</i> , 2003, 460, 563-572.   | 1.6  | 554       |
| 57 | Adult neurogenesis produces a large pool of new granule cells in the dentate gyrus. <i>Journal of Comparative Neurology</i> , 2001, 435, 406-417.  | 1.6  | 1,396     |
| 58 | Restoring production of hippocampal neurons in old age. <i>Nature Neuroscience</i> , 1999, 2, 894-897.   | 14.8 | 659       |
| 59 | Regulation of neurogenesis by growth factors and neurotransmitters. <i>Journal of Neurobiology</i> , 1998, 36, 287-306.  | 3.6  | 439       |
| 60 | Discussion point stem cells and neurogenesis in the adult brain. <i>Current Opinion in Neurobiology</i> , 1998, 8, 677-680.  | 4.2  | 133       |
| 61 | Early NMDA receptor blockade impairs defensive behavior and increases cell proliferation in the dentate gyrus of developing rats. <i>Behavioral Neuroscience</i> , 1997, 111, 49-56.             | 1.2  | 58        |
| 62 | Adrenal steroids and N-methyl-D-aspartate receptor activation regulate neurogenesis in the dentate gyrus of adult rats through a common pathway. <i>Neuroscience</i> , 1997, 82, 349-354.        | 2.3  | 314       |
| 63 | Adrenal steroids suppress granule cell death in the developing dentate gyrus through an NMDA receptor-dependent mechanism. <i>Developmental Brain Research</i> , 1997, 103, 91-93.               | 1.7  | 70        |
| 64 | Regulation of Neuronal Birth, Migration and Death in the Rat Dentate Gyrus. <i>Developmental Neuroscience</i> , 1996, 18, 22-35.   | 2.0  | 172       |
| 65 | Distinct populations of cells in the adult dentate gyrus undergo mitosis or apoptosis in response to adrenalectomy. , 1996, 369, 56-63.  |      | 106       |
| 66 | Stress and the Brain: A Paradoxical Role for Adrenal Steroids. <i>Vitamins and Hormones</i> , 1995, 51, 371-402.   | 1.7  | 82        |
| 67 | Blockade of NMDA receptors increases cell death and birth in the developing rat dentate gyrus. <i>Journal of Comparative Neurology</i> , 1994, 340, 551-565.                                     | 1.6  | 233       |
| 68 | Adult neurogenesis is regulated by adrenal steroids in the dentate gyrus. <i>Neuroscience</i> , 1994, 61, 203-209.   | 2.3  | 883       |
| 69 | Chapter 19 Resolving a mystery: progress in understanding the function of adrenal steroid receptors in hippocampus. <i>Progress in Brain Research</i> , 1994, 100, 149-155.                      | 1.4  | 15        |
| 70 | Adrenal steroids and plasticity of hippocampal neurons: Toward an understanding of underlying cellular and molecular mechanisms. <i>Cellular and Molecular Neurobiology</i> , 1993, 13, 457-482. | 3.3  | 74        |
| 71 | Adrenal steroid receptor immunoreactivity in cells born in the adult rat dentate gyrus. <i>Brain Research</i> , 1993, 611, 342-346.  | 2.2  | 118       |
| 72 | Expression of adrenal steroid receptors by newly born cells and pyknotic cells in the dentate gyrus of the postnatal rat. <i>Molecular and Cellular Neurosciences</i> , 1992, 3, 44-48.          | 2.2  | 33        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Paradoxical effects of adrenal steroids on the brain: Protection versus degeneration. <i>Biological Psychiatry</i> , 1992, 31, 177-199.  | 1.3 | 210       |
| 74 | Tianeptine attenuates stress-induced morphological changes in the hippocampus. <i>European Journal of Pharmacology</i> , 1992, 222, 157-162.   | 3.5 | 289       |
| 75 | Phenytoin prevents stress- and corticosterone-induced atrophy of CA3 pyramidal neurons. <i>Hippocampus</i> , 1992, 2, 431-435.   | 1.9 | 336       |
| 76 | Adrenal steroids regulate postnatal development of the rat dentate gyrus: II. Effects of glucocorticoids and mineralocorticoids on cell birth. <i>Journal of Comparative Neurology</i> , 1991, 313, 486-493. | 1.6 | 179       |
| 77 | Organization of mitochondria in olfactory bulb granule cell dendritic spines. <i>Synapse</i> , 1991, 8, 107-118.   | 1.2 | 44        |
| 78 | Inhibition of Hippocampal Neurogenesis Starting in Adolescence Increases Anxiodepressive Behaviors Amid Stress. <i>Frontiers in Behavioral Neuroscience</i> , 0, 16, .                                       | 2.0 | 2         |