

# Melissa Farnham

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

505  
citations

16  
h-index

21  
g-index

40  
ext. papers

552  
ext. citations

3.3  
avg, IF

3.69  
L-index

#	Paper	IF	Citations
38	Pentobarbital Anesthesia Suppresses the Glucose Response to Acute Intermittent Hypoxia in Rat. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 645392	4.6	
37	PACAP-PAC1 Receptor Activation Is Necessary for the Sympathetic Response to Acute Intermittent Hypoxia. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 881	5.1	4
36	Microglia in the RVLM of SHR have reduced P2Y12R and CX3CR1 expression, shorter processes, and lower cell density. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2019</b> , 216, 9-16	2.4	11
35	Integration of hindbrain and carotid body mechanisms that control the autonomic response to cardiorespiratory and glucoprivic insults. <i>Respiratory Physiology and Neurobiology</i> , <b>2019</b> , 265, 83-91	2.8	3
34	PACAP-(6-38) or kynurenate microinjections in the RVLM prevent the development of sympathetic long-term facilitation after acute intermittent hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H563-H572	5.2	6
33	Activation of $\mu$ -opioid receptors in the rostral ventrolateral medulla blocks the sympathetic counter-regulatory response to glucoprivation. <i>FASEB Journal</i> , <b>2018</b> , 32, 599.5	0.9	
32	Short Sustained, But Not Intermittent, Hypoxia Attenuates Kainic Acid-Induced Sympathetic Nerve Activity Increase and Prevents Seizure Development in Rats. <i>FASEB Journal</i> , <b>2018</b> , 32, 1b408	0.9	
31	Acute intermittent hypoxia with concurrent hypercapnia evokes P2X and TRPV1 receptor-dependent sensory long-term facilitation in naïve carotid bodies. <i>Journal of Physiology</i> , <b>2018</b> , 596, 3149-3169	3.9	21
30	Activation of $\mu$ -opioid receptors in the rostral ventrolateral medulla blocks the sympathetic counterregulatory response to glucoprivation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R1115-R1122	3.2	5
29	Glia and central cardiorespiratory pathology. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2018</b> , 214, 24-34	2.4	3
28	Inhibition of microglial activation with minocycline at the intrathecal level attenuates sympathoexcitatory and proarrhythmogenic changes in rats with chronic temporal lobe epilepsy. <i>Neuroscience</i> , <b>2017</b> , 350, 23-38	3.9	19
27	Intrathecal Intermittent Orexin-A Causes Sympathetic Long-Term Facilitation and Sensitizes the Peripheral Chemoreceptor Response to Hypoxia in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 358, 492-501	4.7	5
26	Dynamic changes in the relationship of microglia to cardiovascular neurons in response to increases and decreases in blood pressure. <i>Neuroscience</i> , <b>2016</b> , 329, 12-29	3.9	18
25	Microglial number is related to the number of tyrosine hydroxylase neurons in SHR and normotensive rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2016</b> , 198, 10-8	2.4	6
24	Seizure-Induced Sympathoexcitation Is Caused by Activation of Glutamatergic Receptors in RVLM That Also Causes Proarrhythmogenic Changes Mediated by PACAP and Microglia in Rats. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 506-17	6.6	15
23	pSer40 tyrosine hydroxylase immunohistochemistry identifies the anatomical location of C1 neurons in rat RVLM that are activated by hypotension. <i>Neuroscience</i> , <b>2016</b> , 317, 162-72	3.9	14
22	Microglia PACAP and glutamate: Friends or foes in seizure-induced autonomic dysfunction and SUDEP?. <i>Respiratory Physiology and Neurobiology</i> , <b>2016</b> , 226, 39-50	2.8	9

21	Alerted microglia and the sympathetic nervous system: A novel form of microglia in the development of hypertension. <i>Respiratory Physiology and Neurobiology</i> , <b>2016</b> , 226, 51-62	2.8	21
20	pSer40 tyrosine hydroxylase immunohistochemistry identifies the anatomical location of C1 neurons in rat RVLM that are activated by hypotension. <i>FASEB Journal</i> , <b>2016</b> , 30, 753.6	0.9	
19	Intermittent hypoxia-induced cardiorespiratory long-term facilitation: A new role for microglia. <i>Respiratory Physiology and Neurobiology</i> , <b>2016</b> , 226, 30-8	2.8	4
18	Surgical preparation of mice for recording cardiorespiratory parameters in vivo. <i>Journal of Neuroscience Methods</i> , <b>2015</b> , 248, 41-5	3	4
17	Gene Interference with Morpholinos in a Gold Nanoparticle-Based Delivery Platform in Rat PC12 Cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 2111-23	4	3
16	The effect of losartan on differential reflex control of sympathetic nerve activity in chronic kidney disease. <i>Journal of Hypertension</i> , <b>2015</b> , 33, 1249-60	1.9	21
15	Antagonism of PACAP or microglia function worsens the cardiovascular consequences of kainic-acid-induced seizures in rats. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 2191-9	6.6	27
14	Optogenetics, the intersection between physics and neuroscience: light stimulation of neurons in physiological conditions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 307, R1292-302	3.2	17
13	Acute Activation and Inhibition of the Sympathetic Baroreceptor Reflex. <i>NeuroMethods</i> , <b>2013</b> , 47-58	0.4	
12	Rostroventrolateral medulla neurons with commissural projections provide input to sympathetic premotor neurons: anatomical and functional evidence. <i>European Journal of Neuroscience</i> , <b>2013</b> , 38, 2504-15	2.5	17
11	Catestatin has an unexpected effect on the intrathecal actions of PACAP dramatically reducing blood pressure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2012</b> , 303, R719-26	3.2	5
10	Activation of PAC(1) and VPAC receptor subtypes elicits differential physiological responses from sympathetic preganglionic neurons in the anaesthetized rat. <i>British Journal of Pharmacology</i> , <b>2012</b> , 167, 1089-98	8.6	12
9	PACAP causes PAC1/VPAC2 receptor mediated hypertension and sympathoexcitation in normal and hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H910-7	5.2	32
8	DNA damage-sensing kinases mediate the mouse 2-cell embryo response to genotoxic stress. <i>Biology of Reproduction</i> , <b>2011</b> , 85, 524-35	3.9	26
7	Intrathecal PACAP-38 causes increases in sympathetic nerve activity and heart rate but not blood pressure in the spontaneously hypertensive rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H214-22	5.2	23
6	Intrathecal PACAP-38 causes prolonged widespread sympathoexcitation via a spinally mediated mechanism and increases in basal metabolic rate in anesthetized rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H2300-7	5.2	25
5	The role of PACAP in central cardiorespiratory regulation. <i>Respiratory Physiology and Neurobiology</i> , <b>2010</b> , 174, 65-75	2.8	21
4	Effects of baroreceptor activation on respiratory variability in rat. <i>Respiratory Physiology and Neurobiology</i> , <b>2009</b> , 166, 80-6	2.8	27

3	Local anaesthetics for acute reversible blockade of the sympathetic baroreceptor reflex in the rat. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 179, 58-62	3	5
2	Metabotropic neurotransmission and integration of sympathetic nerve activity by the rostral ventrolateral medulla in the rat. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2008</b> , 35, 508-11 <sup>3</sup>		20
1	PACAP is expressed in sympathoexcitatory bulbospinal C1 neurons of the brain stem and increases sympathetic nerve activity in vivo. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R1304-11	3.2	56