

# Sympathetic neuron-associated macrophages contribute to norepinephrine metabolizing norepinephrine

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Specialized macrophages contribute to obesity. <i>Nature Reviews Endocrinology</i> , 2017, 13, 690-690.	4.3	5
2	Nerve Stimulation: Immunomodulation and Control of Inflammation. <i>Trends in Molecular Medicine</i> , 2017, 23, 1103-1120.	3.5	102
3	Macrophages dispose of catecholamines in adipose tissue. <i>Nature Medicine</i> , 2017, 23, 1255-1257.	15.2	13
4	Niche signals and transcription factors involved in tissue-resident macrophage development. <i>Cellular Immunology</i> , 2018, 330, 43-53.	1.4	114
5	Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. <i>Cell</i> , 2018, 173, 554-567.	13.5	192
6	Body fat reduction without cardiovascular changes in mice after oral treatment with the <sc>MAO</sc> inhibitor phenelzine. <i>British Journal of Pharmacology</i> , 2018, 175, 2428-2440.	2.7	18
7	Phosphorylation of Beta-3 adrenergic receptor at serine 247 by ERK MAP kinase drives lipolysis in obese adipocytes. <i>Molecular Metabolism</i> , 2018, 12, 25-38.	3.0	57
8	Biology and function of adipose tissue macrophages, dendritic cells and B cells. <i>Atherosclerosis</i> , 2018, 271, 102-110.	0.4	47
9	Leptin and brainâ€“adipose crosstalks. <i>Nature Reviews Neuroscience</i> , 2018, 19, 153-165.	4.9	182
10	Play It Again, SAM: Macrophages Control Peripheral Fat Metabolism. <i>Trends in Immunology</i> , 2018, 39, 81-82.	2.9	3
11	Elevating adipose eosinophils in obese mice to physiologically normal levels does not rescue metabolic impairments. <i>Molecular Metabolism</i> , 2018, 8, 86-95.	3.0	50
12	Macrophages and monocytes: of tortoises and hares. <i>Nature Reviews Immunology</i> , 2018, 18, 85-86.	10.6	20
13	Toward an Understanding of How Immune Cells Control Brown and Beige Adipobiology. <i>Cell Metabolism</i> , 2018, 27, 954-961.	7.2	155
14	Neuronalâ€“immune system cross-talk in homeostasis. <i>Science</i> , 2018, 359, 1465-1466.	6.0	86
15	Hyperlipidemias and Obesity. <i>Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems</i> , 2018, , 331-548.	0.1	10
16	Reduced Number of Adipose Lineage and Endothelial Cells in Epididymal fat in Response to Omega-3 PUFA in Mice Fed High-Fat Diet. <i>Marine Drugs</i> , 2018, 16, 515.	2.2	12
17	Partial depletion of CD206-positive M2-like macrophages induces proliferation of beige progenitors and enhances browning after cold stimulation. <i>Scientific Reports</i> , 2018, 8, 14567.	1.6	24
18	Regulation of Energy Expenditure and Brown/Beige Thermogenic Activity by Interleukins: New Roles for Old Actors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2569.	1.8	15

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19	Functional Gut Microbiota Remodeling Contributes to the Caloric Restriction-Induced Metabolic Improvements. <i>Cell Metabolism</i> , 2018, 28, 907-921.e7.	7.2	170
20	Macrophages and Cardiovascular Health. <i>Physiological Reviews</i> , 2018, 98, 2523-2569.	13.1	79
21	Macrophages: new players in cardiac ageing?. <i>Cardiovascular Research</i> , 2018, 114, e47-e49.	1.8	1
22	Neuronal modulation of brown adipose activity through perturbation of white adipocyte lipogenesis. <i>Molecular Metabolism</i> , 2018, 16, 116-125.	3.0	34
23	Selegiline reduces adiposity induced by high-fat, high-sucrose diet in male rats. <i>British Journal of Pharmacology</i> , 2018, 175, 3713-3726.	2.7	17
24	Eosinophils support adipocyte maturation and promote glucose tolerance in obesity. <i>Scientific Reports</i> , 2018, 8, 9894.	1.6	75
25	Monoamine oxidase-A, serotonin and norepinephrine: synergistic players in cardiac physiology and pathology. <i>Journal of Neural Transmission</i> , 2018, 125, 1627-1634.	1.4	32
26	Parallels in Immunometabolic Adipose Tissue Dysfunction with Ageing and Obesity. <i>Frontiers in Immunology</i> , 2018, 9, 169.	2.2	116
27	Discovering Macrophage Functions Using In Vivo Optical Imaging Techniques. <i>Frontiers in Immunology</i> , 2018, 9, 502.	2.2	22
28	Delineating the origins, developmental programs and homeostatic functions of tissue-resident macrophages. <i>International Immunology</i> , 2018, 30, 493-501.	1.8	46
29	Visceral Adipose Tissue Accumulation and Residual Cardiovascular Risk. <i>Current Hypertension Reports</i> , 2018, 20, 77.	1.5	34
30	Common traits between the beige fat-inducing stimuli. <i>Current Opinion in Cell Biology</i> , 2018, 55, 67-73.	2.6	16
31	The mouse autonomic nervous system modulates inflammation and epithelial renewal after corneal abrasion through the activation of distinct local macrophages. <i>Mucosal Immunology</i> , 2018, 11, 1496-1511.	2.7	47
32	Macrophages in obesity. <i>Cellular Immunology</i> , 2018, 330, 183-187.	1.4	18
33	Macrophage-dependent impairment of $\alpha_2$ -adrenergic autoreceptor inhibition of $Ca^{2+}$ channels in sympathetic neurons from DOCA-salt but not high-fat diet-induced hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H863-H877.	1.5	13
34	The weight of nutrients: kynurenine metabolites in obesity and exercise. <i>Journal of Internal Medicine</i> , 2018, 284, 519-533.	2.7	37
35	Contributions of innate type 2 inflammation to adipose function. <i>Journal of Lipid Research</i> , 2019, 60, 1698-1709.	2.0	30
36	Neuro-immune regulation of mucosal physiology. <i>Mucosal Immunology</i> , 2019, 12, 10-20.	2.7	55

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37	Innate Immune Control of Adipose Tissue Homeostasis. <i>Trends in Immunology</i> , 2019, 40, 857-872.	2.9	114
38	Switching on the furnace: Regulation of heat production in brown adipose tissue. <i>Molecular Aspects of Medicine</i> , 2019, 68, 60-73.	2.7	52
39	Old Dog New Tricks; Revisiting How Stroke Modulates the Systemic Immune Landscape. <i>Frontiers in Neurology</i> , 2019, 10, 718.	1.1	29
40	Effects of Adipocyte Expansion on Cardiovascular System and Ongoing Debate over Obesity Paradox. <i>International Heart Journal</i> , 2019, 60, 499-502.	0.5	3
41	Nerves in Bone: Evolving Concepts in Pain and Anabolism. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1393-1406.	3.1	116
42	Osons la fraternit�! Les �crivains aux c�t�s des migrants. Sous la direction de Patrick Chamoiseau et Michel Le Bris. <i>French Studies</i> , 2019, 73, 334-334.	0.0	0
43	Preadipocyte factor 1 regulates adipose tissue browning via TNF-�-converting enzyme-mediated cleavage. <i>Metabolism: Clinical and Experimental</i> , 2019, 101, 153977.	1.5	11
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47	Neuropathy and neural plasticity in the subcutaneous white adipose depot. <i>PLoS ONE</i> , 2019, 14, e0221766.	1.1	40
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53	Adaptive adipose tissue stromal plasticity in response to cold stress and antibody-based metabolic therapy. <i>Scientific Reports</i> , 2019, 9, 8833.	1.6	10
54	A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. <i>Immunity</i> , 2019, 50, 1482-1497.e7.	6.6	141
55	Type 2 immune regulation of adipose tissue homeostasis. <i>Current Opinion in Physiology</i> , 2019, 12, 20-25.	0.9	3

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57	“Cloaking” on Time: A Cover-Up Act by Resident Tissue Macrophages. <i>Cell</i> , 2019, 177, 514-516.	13.5	2
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63	The Impact of Aging on Adipose Function and Adipokine Synthesis. <i>Frontiers in Endocrinology</i> , 2019, 10, 137.	1.5	183
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65	Fat cells gobbling up norepinephrine?. <i>PLoS Biology</i> , 2019, 17, e3000138.	2.6	8
66	The Importance of Peripheral Nerves in Adipose Tissue for the Regulation of Energy Balance. <i>Biology</i> , 2019, 8, 10.	1.3	49
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69	Meta-Analysis of in vitro-Differentiated Macrophages Identifies Transcriptomic Signatures That Classify Disease Macrophages in vivo. <i>Frontiers in Immunology</i> , 2019, 10, 2887.	2.2	30
70	The Mononuclear Phagocyte System: The Relationship between Monocytes and Macrophages. <i>Trends in Immunology</i> , 2019, 40, 98-112.	2.9	188
71	Deletion of myeloid IRS2 enhances adipose tissue sympathetic nerve function and limits obesity. <i>Molecular Metabolism</i> , 2019, 20, 38-50.	3.0	18
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86	Neuroimmune circuits in inter-organ communication. <i>Nature Reviews Immunology</i> , 2020, 20, 217-228.	10.6	132
87	HYPOTHesizing about central comBAT against obesity. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 193-211.	1.3	3
88	Obesity: a neuroimmunometabolic perspective. <i>Nature Reviews Endocrinology</i> , 2020, 16, 30-43.	4.3	91
89	Tissue-Specific Role of Macrophages in Noninfectious Inflammatory Disorders. <i>Biomedicines</i> , 2020, 8, 400.	1.4	20
90	Network analysis of transcriptomic diversity amongst resident tissue macrophages and dendritic cells in the mouse mononuclear phagocyte system. <i>PLoS Biology</i> , 2020, 18, e3000859.	2.6	94
91	The Heating Microenvironment: Intercellular Cross Talk Within Thermogenic Adipose Tissue. <i>Diabetes</i> , 2020, 69, 1599-1604.	0.3	22

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93	Thermoneutrality-Induced Macrophage Accumulation in Brown Adipose Tissue Does Not Impair the Tissue's Competence for Cold-Induced Thermogenic Recruitment. <i>Frontiers in Endocrinology</i> , 2020, 11, 568682.	1.5	10
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110	Differential regulation of the immune system in a brain-liver-fats organ network during short-term fasting. <i>Molecular Metabolism</i> , 2020, 40, 101038.	3.0	7
112	Mechanisms of Macrophage Polarization in Insulin Signaling and Sensitivity. <i>Frontiers in Endocrinology</i> , 2020, 11, 62.	1.5	79
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125	Intercellular Mitochondria Transfer to Macrophages Regulates White Adipose Tissue Homeostasis and Is Impaired in Obesity. <i>Cell Metabolism</i> , 2021, 33, 270-282.e8.	7.2	160
126	Peripheral Innervation in the Regulation of Glucose Homeostasis. <i>Trends in Neurosciences</i> , 2021, 44, 189-202.	4.2	28
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135	Metabolic stress drives sympathetic neuropathy within the liver. <i>Cell Metabolism</i> , 2021, 33, 666-675.e4.	7.2	54
136	Chronic tissue inflammation and metabolic disease. <i>Genes and Development</i> , 2021, 35, 307-328.	2.7	122
137	Monoamine oxidases in age-associated diseases: New perspectives for old enzymes. <i>Ageing Research Reviews</i> , 2021, 66, 101256.	5.0	44
138	Origins, Biology, and Diseases of Tissue Macrophages. <i>Annual Review of Immunology</i> , 2021, 39, 313-344.	9.5	88
139	Role of Macrophages in the Endocrine System. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 238-256.	3.1	33
140	Optogenetic activation of local colonic sympathetic innervations attenuates colitis by limiting immune cell extravasation. <i>Immunity</i> , 2021, 54, 1022-1036.e8.	6.6	26
142	Activation of GCN2 in macrophages promotes white adipose tissue browning and lipolysis under leucine deprivation. <i>FASEB Journal</i> , 2021, 35, e21652.	0.2	7
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144	Sirtuin 6 promotes eosinophil differentiation by activating GATA-1 transcription factor. <i>Aging Cell</i> , 2021, 20, e13418.	3.0	5
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146	Plasticity and heterogeneity of thermogenic adipose tissue. <i>Nature Metabolism</i> , 2021, 3, 751-761.	5.1	29
147	Sympathetic Innervation of White Adipose Tissue: to Beige or Not to Beige?. <i>Physiology</i> , 2021, 36, 246-255.	1.6	12
148	Macrophage ontogeny and functional diversity in cardiometabolic diseases. <i>Seminars in Cell and Developmental Biology</i> , 2021, 119, 119-129.	2.3	2

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154	Myeloid-resident neuropilin-1 influences brown adipose tissue in obesity. <i>Scientific Reports</i> , 2021, 11, 15767.	1.6	1
155	Acetylcholine $\alpha$ -synthesizing macrophages in subcutaneous fat are regulated by $\beta$ <sup>2</sup> adrenergic signaling. <i>EMBO Journal</i> , 2021, 40, e106061.	3.5	21
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160	From Psychoneuroimmunology to Immunopsychiatry: An Historical Perspective. , 2021, , 25-50.		0
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162	IL-33 causes thermogenic failure in aging by expanding dysfunctional adipose ILC2. <i>Cell Metabolism</i> , 2021, 33, 2277-2287.e5.	7.2	42
165	Fatty Acids Rescue the Thermogenic Function of Sympathetically Denervated Brown Fat. <i>Biomolecules</i> , 2021, 11, 1428.	1.8	4
166	The neuroimmune response during stress: A physiological perspective. <i>Immunity</i> , 2021, 54, 1933-1947.	6.6	37
167	Neuroimmune interactions and immunoengineering strategies in peripheral nerve repair. <i>Progress in Neurobiology</i> , 2022, 208, 102172.	2.8	19
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171	Peripheral nerve resident macrophages share tissue-specific programming and features of activated microglia. Nature Communications, 2020, 11, 2552.	5.8	84
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179	Neuro-immune crosstalk and allergic inflammation. Journal of Clinical Investigation, 2019, 129, 1475-1482.	3.9	106
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